CLAIMS:

1. A lens shape data processing apparatus for setting and adjusting the lens shape data of the spectacle frame characterized by comprising storage means for storing a plurality of lens shape data measured by a lens shape data measuring unit.

2. A lens shape data processing apparatus as set forth in claim 1 characterized by comprising arithmetic processing means for reading a plurality of the lens shape data stored in the storage means and adjusting the lens shape data.

3. A lens shape data processing apparatus comprising display means including an image display unit for displaying a plurality of lens shape information for spectacle frames and an operation contents display unit for displaying items for switching a plurality of screens, a plurality of keys corresponding to said items of said operation contents display unit, and arithmetic control means for setting the data for grinding an unprocessed lens into a lens shape based on said lens shape information characterized by said plurality of keys include first function key for switching the screen to select and access one of said plurality of lens shape information and second function key for accessing the preceding lens shape information and the next lens shape information or new lens shape information.

4. A lens shape data processing apparatus according as set forth in claim 3 characterized by comprising memory for storing said plurality of the lens shape information for the spectacle frames.

5. A lens grinding machine comprising input means for inputting a plurality of lens shape data for spectacle frames, lens edge shape measuring means for measuring the lens edge shape of an unprocessed

spectacle lens based on the input lens shape data for the spectacle
frames and machining means for grinding the edge surface of said
unprocessed spectacle lens based on the lens shape according to the
result of measurement by the edge surface shape measuring means,

5   characterized by further comprising arithmetic processing means for
selecting one of said plurality of lens shape data, and setting and
adjusting the machining conditions for the unprocessed spectacle lens
based on said selected lens shape data during the operation of said edge
surface measuring means or during the operation of the machining

10   means.

6.   A lens grinding machine comprising input means for inputting a
plurality of lens shape data for spectacle frames, lens edge shape
measuring means for measuring the lens edge shape of an unprocessed
spectacle lens based on the input lens shape data for the spectacle

15   frames and machining means for grinding the edge surface of said
unprocessed spectacle lens based on the lens shape according to the
result of measurement by the edge surface shape measuring means,
characterized by further comprising arithmetic processing means
setting and adjusting the machining conditions for the unprocessed

20   spectacle lens based on following lens shape data of used for the ongoing
operation during the operation of said edge surface measuring means or
during the operation of the machining means.

7.   A lens grinding machine as set forth in claim 5 or 6 characterized
by comprising memory means for storing the machining conditions for

25   the unprocessed spectacle lens based on the machining conditions for the
unprocessed spectacle lens based on selected lens shape data or
machining conditions for the unprocessed spectacle lens based on

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following lens shape data of set and adjusted during the operation of said edge surface shape measuring means or during said operation of the machining means.

8.   A lens grinding machine comprising lens shape data processing apparatus as set forth in claim 3 or 4.